

## Abstract

5 A method, system, and apparatus are disclosed for reducing set-up time for calls by pre-allocating channels in communication networks. The present invention is based on doing as much of the set-up work as possible before communication resources are actually needed, and then, after resources are needed, using a fast way of executing that work which could not be completed until after the resources were needed. An embodiment of the present invention deploys a first agent to proactively manage communication resources 10 configuring and reserving channels for a principal required to report to a network the address of a suitable supplementary channel available through a second agent. Allocating channels in advance permits fast, consistent, and predictable service times in response to requests for data-burst service. All embodiments of the present invention address a pressing need of service providers who must set-up data-burst sessions very quickly to permit applications to run faster across networks.

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the *Journal of the American Statistical Association* (1937) and the *Journal of the Royal Statistical Society* (1938).